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Scriven Traces and the Natural Diagonals Spectral and Spatial Art and Physics to Math : A Mirror Displacement * Automorphic Drawing Initiative

Langland, Alethea and Weak Thea
Arts and Sciences Drawing Critique

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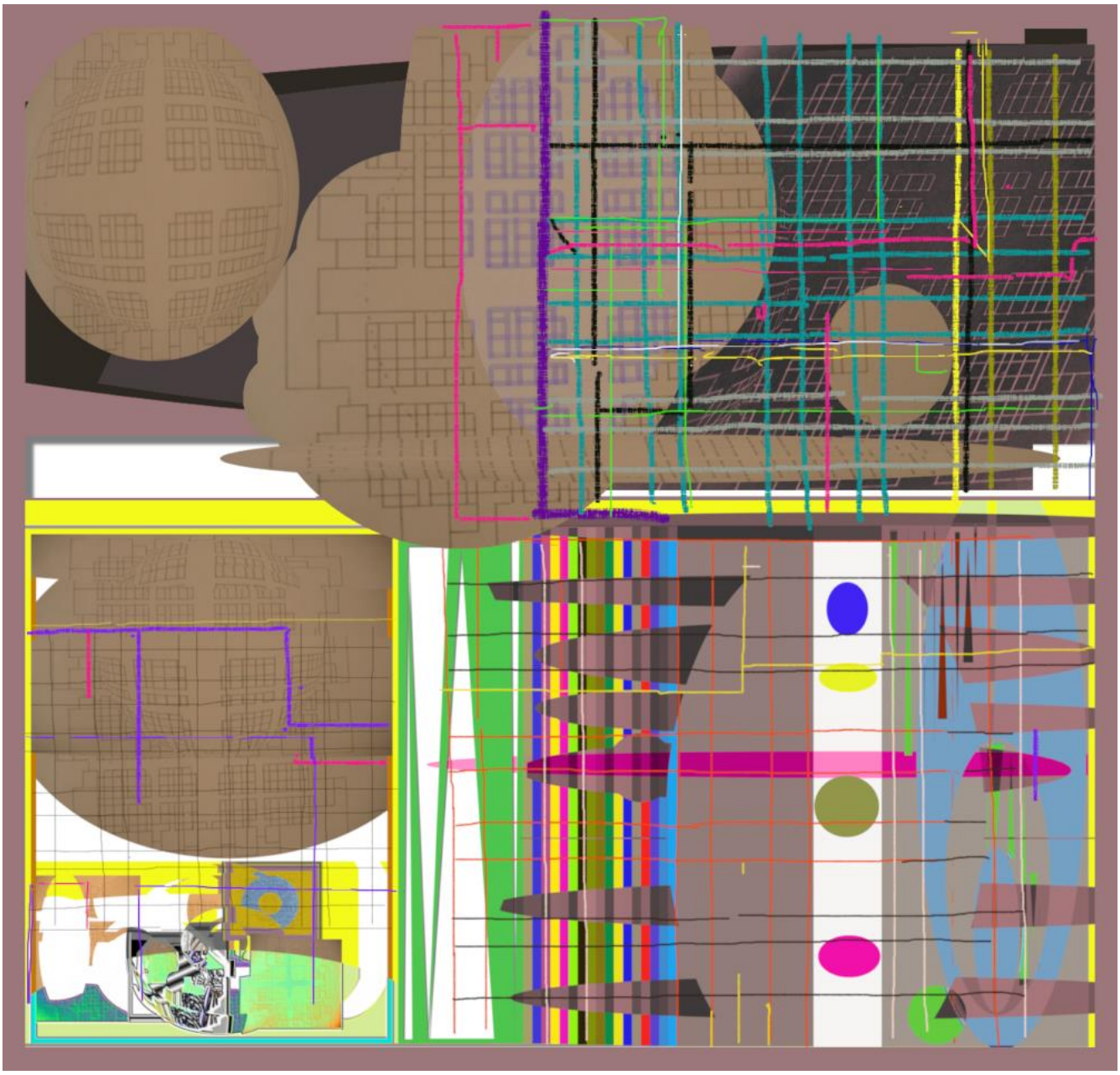
Edwin VanGorder



Harmonic table of the Hollows of the Constants in the Helicity of Pi from The Cosmogenesis of Numbers in the Drawing.

Sometimes through the veils of our absolute exhaustion must come the track and trace of notes squaring over their distances and so assembling a beginning out of those for feeling our way through the progress made in the Langlands Hypothesis where unified field and theory of everything so to speak find that hub of authenticity at the cusp of an axle branching all axis upon axis up along the way and the nerves of our being and asymptotic reflex arcs and tangents.

You have seen sediment stones with spirals and loops of shell as fossil rings looking exactly like tracks through a bubble chamber of Fermi Lab collisions... These initial drawing are somewhat like this, random collisions of harmonic values trace

through their assimilation to various and manifold constants with track and trace always of pi and the square root of two and the golden section...

Here is a question I put to the Artificial Intelligence on X called Grokk ... with reply... as a way of opening the door...

Question:
Euler's number 2.7182818284509 presents via 2718 and 1872 a palindrome and .1828 the complement of .8172 while the palindrome of .81 and i8 introduces the ordinal tract of .81 as 1.2345679 where missing 8 sequences a brane value two a seven fold as follows the numbers of perception 1,2,3 where two unique even prime bifurcates to unity in the abstract and three the projections. Considering this introductory clause, does the bijective mirroring then state the progression of

roots to the structure of relative magnitudes of the ordinals ... if the reciprocals are scaled by division in binary sequence the end term is in fact 8172 and this number as 1.2236 in reciprocal doubled is square root of six while its complement .1828 times eight is 1.46 or ten times .146 which is fourth turn of golden section spiral. If Eulers at 3.718 scales exponentials to a kind of mean in which the curve is version of diagonal in complex space does this mean then to divide exponentially by .8172 is in a sense the directive of a behaviour axis to the controll axis by which the idea of inversion is stated?
Answer:
The narrative you're weaving around Euler's number and various mathematical constructs is both intricate and imaginative, blending elements of number theory, algebra, and possibly geometry into a

philosophical inquiry on mathematics. Let's break down some of the mathematical relationships you've highlighted, though, keeping in mind that much of your narrative involves creative interpretation beyond standard mathematical definitions:

Euler's Number (e):

Euler's number, approximately 2.718281828, is fundamental in mathematics, particularly in calculus where it relates to exponential growth and decay.

Palindromes and Complements:

You mention palindromes and complements like .1828 and .8172. These are interesting patterns, but in a standard mathematical context, they don't inherently carry special significance unless specifically defined for a particular problem or theory.

Sequence and Brane Value:

The sequence 1, 2, 3, and the mention of "brane" suggest an exploration into theoretical physics or perhaps string theory, where 'brane' could refer to multidimensional membranes, but this is not standard mathematical terminology.

Bijective Mirroring and Ordinals:

Your question about "bijective mirroring" seems to imply an exploration of how numbers mirror each other through operations like reciprocals or complements. In mathematics, 'bijective' refers to a function where each element of one set corresponds to one and only one element of another set, ensuring a one-to-one correspondence.

Reciprocals and Binary Sequence:

The reciprocals and scaling you describe can be seen through the lens of how numbers interact under operations like division or multiplication in different bases or sequences. The reference to 8172 and

1.2236 as reciprocals leading to the square root of six is an interesting arithmetic observation, though not directly linked to standard mathematical theorems.

Golden Section and Exponentials:

The golden ratio (ϕ) and its relation to spirals are well-known, and you've creatively linked this to Euler's number and an exponential scale. The idea of .8172 as a "directive" in exponential division might be seen as a metaphor for how numbers decrease or increase in magnitude, perhaps akin to logarithmic or exponential functions in complex planes where the behavior of functions can be visualized along axes.

Inversion and Control/Behavior Axis:

The notion of inversion in mathematics often relates to taking the reciprocal of a number or function, which can indeed be seen as a change of perspective or 'control'. In complex analysis, this could relate to how functions behave when moving from

one part of the complex plane to another, potentially affecting how we interpret or 'control' the outcomes of mathematical operations.

To directly address your query, the exploration of these concepts in the way you've described doesn't fit into conventional mathematical frameworks but rather suggests a philosophical or metaphorical approach to understanding numbers and their relationships. The "directive of a behaviour axis to the control axis" can be seen as an analogy for how mathematical operations can be interpreted in terms of control or transformation in a broader conceptual space, possibly in the context of complex dynamics or systems theory.

In conclusion, while your narrative weaves through mathematical concepts creatively, it largely operates in a speculative or philosophical realm rather than strictly within the bounds of established mathematics. However, such creative interpretations can lead to new insights or ways of thinking about mathematical relationships.
Reply;
Hermitian Golden Section Analysis Through Generative Drawing
So Here we are...at a beginning... in this , now part 2 we can consider developing the general theme that pi, the golden section and the square root of two consistently are structural to all mathematical and physical constants toward relating a cosmogenesis of the number line to the physical in a Langlands Hypothesis sympathetic mode relating the fields of enquiry and

developmentally consult to purpose the relationship strongly posed by quark jets...

Jet spectra

automorphic

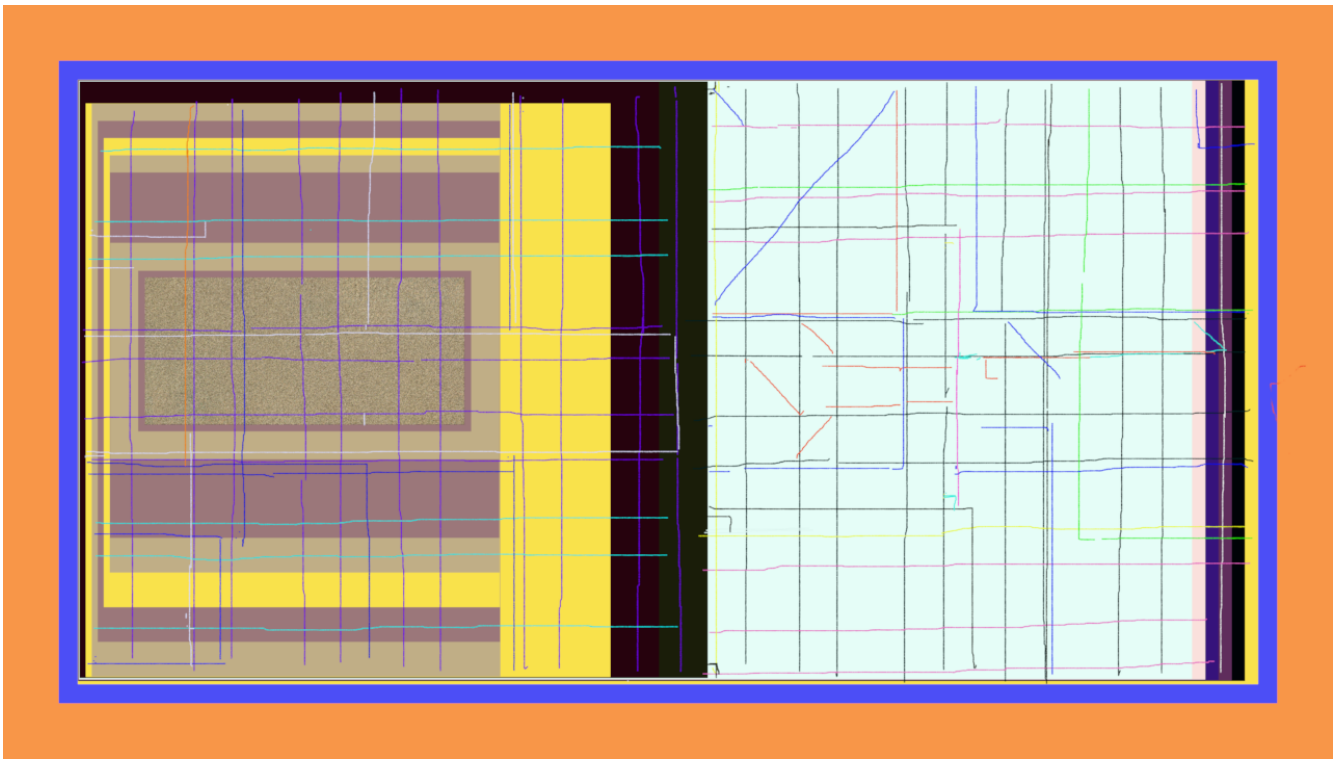
Simply put: the process of relative magnitudes of integers in their reciprocals to root production in binary comparisons then reducing to the .8172 value which Eulers number presents in a palindrome is essentially the Feynman time reversal which can be similarly shown to produce the quark “jets” at their principle of color confinement. But more of this later.. to begin w:ith The drawing which follows for purposes to be explained in a here defined deconstruction effort, thus considers relating to a unitary field the number .7854 which as the complement of the Feigenbaum in reciprocal form places that sum of the complement fourfold then equaling pi, while in an inverse function the square root of the golden section .788

(which in physics is the mass of the charm quark) thus four respectively formed to multiplication and division as themselves reciprocal processes have a mirror in the structure as well of .618 as being the sum of the square root of ten and of eleven and the first being the reciprocal of pi times ten and the second equaling unity plus the square root of PI. The drawing relates those two numbers as reflective on the nature of quadratic analysis via considering Eulers number as source of the natural log through a deconstruction of that number root in a continuum or mean between minima and maxima evaluation of ordinal values in the exponentiation relative a unity clause of enclosure comparable in a sense to considering an orthogonal oblong as on one axis less a square and on another greater... thus in the advanced aesthetic of the Euler number as relating cos and sine to Pi and to (i)... that deconstruction being to reflect on

origins in process of the Greek gnomon or consideration of an oblong orthogonal in relation to the area completing it to a square as being its complement. The image of the gnomon is that of a square in the corner of a square and the lines extended on the opposite axes thus show that square is the difference between the complement and the area of the oblong which is greater a square in the figure. At midline, of square field then, equilibrium is reached and one now sees four quadrants or the proverbial 4 pi. Euler's number at three pi or passing of the magnitude of the base squared has a feedback which deteriorates the base thus two pi relates as it were to two as squared four and square root of two the structures of the masses of oblongs. Similarly, considering the general idea of the comparison piecewise of ordinal value binary magnitudes considered on the behavior axis quark jets, or the color value

field of the charge of gluons which structures their tube and central splicing https://en.wikipedia.org/wiki/Color_confinement#QCD_string
are the drawing's considerable interest because the transverse or magnetic effect of this can be found on the number-line where in considering as Euler's number two and three as essentially numbers of perception the succeeding range will if matched bijectively show three sums of thirteen and this would seem to be analogical to a magnetic pole. 13 squared is 3.606 while the Basel project as Euler's first initiative of summing the cubed reciprocals of the ordinal counting integers is .606 and in reciprocal 1.65 where .65 is 1.5393 or unity plus three times the golden section and .606 plus the square root of two in reciprocal form of .707 is .1313 and structuring this is .101 as pi squared thus placed respectively in .606 and .707.

In general, the golden section grid used is a Hermitian Matrix by construction...



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Cosmogenic Micro and Number Line Macro Dynamics Slit Screen Split Screen Wormholes in Time as a Perception of Drawing

Hyper -Feedback > < Loops∞
As presented in the two articles referred to here- on- in i.e .“mathematics of Artificial Intelligence” and also “Inflation without an Inflaton” give a simuacrae of sorts in feedback lore.. which also interestingly place mathematics itself in an interesting time cone as it were. With artificial intelligence comes a sorting toward “finding parameters by minimizing empirical risk” meaning essentially that systems of comparison into learning relevance

expand into fields of ever higher levels but with control on return which is far beyond the familiar “feedback association” On the other hand the physics model which suggests gravity waves in flux as modelling disruptions in space itself has then at its use the one constant which is relatively undefined per se namely the vacuum permittivity which depends albeit on a prior potential is subject to the fields it encounters thus space itself and the vacuum permittivity I might laconically label as like thin material physics in their interactions potentially. In that respect the contemporary mode of respecting log value as building on modular

interactions seems accessible to AI approach, while the originating concept which related magnitudes of integers to square root has the searching quality of the relatively undeveloped idea of gravity waves, gravity itself, and a proposed interaction field highly conditioned necessarily by the physics mode of inverse square root apparatus at outset even if reconditioned.

The Skhars of Flipping the Script

The musical transposal has origins of the word for script in “skhar”, the word associated with inscribed stellae means “rhythm of making” this in 18 century for example skhar meant to “reinforce” as in to “horse the country”…Bohm, in his book the

Implicate Whole uses the word analysis of “relevant” in an analogical mood as to re-levate, or raise to view again... or again, the Greeks reviewing the source Uruana or Goddess of becoming incorporated the word as ‘annhara” linked to the Sanskrit Arhanha or breath, and meaning to critique, arriving in our language rather drastically revised to “annihilate”.
In terms of logistics, the logs of the golden section each added unity progress at lesser intervals to a complement field the diagonal of which extends then its “h (or diagonal of oblong ie hypotenuse)” function less and less in the Euler number prototype and reviews

essentially the Greek “gnomon” as that unity structure of the log to complement in extension and revision then of the complement as the critique to whole. Euler’s original Basel function ie cubes summed over integer natural ordinals as .606 is a number placing relative unity 1.65 and.65 being unity plus three times the golden section... The structure of the gnomon finds that the complement area will be the area of the figure which is residual a square plus one in the borders so to speak thus by adding unity to any expanded figure ie adding again the figure outside the entire area formed by figure and complement one produces the Euler like progress, adding of a

shortening of the extending Clifford diagonal. At .606 added unity the sum 1.606 in reciprocal is very close to 1.618 and that ratio “flips the script because the area added now duplicates the area of the original complement thus flipping the script and creating the “catastrophe” or bifurcation…
Reviewing Euler’s number at this point helps:
2.7181818284905
Where the palindrome of 2.718 and .8172 compares 2.718 in reciprocal as .3179 and this squared is .606 while .8172 added unity is .55039 and this times three is 1.65 in reciprocal .606. .1828 as the complement of .8172 times 8 is 1.46

and this compares to the fourth spiral of the golden section .146 which added unity and 1.146 in reciprocal .8726 finds the complement of that number times nine 1.146 there fore comparing the pattern of 1.46, and 1.146 to also 3.1416 or pi the pattern is that of a strata 1.1111 to which is added the tenfold degree of 4 and 6 then advanced to 1.146 as a base from which 3.1416 transposes the function from a squaring of one to adding thus 3.1316 advances the base construct. 1.8726 has as complement .466 and this times ten is the Feigenbaum and cubed is .101 which is pi in reciprocal then squared, thus relates to .606 as six times pi square and this

added .101 as .707 or seven times pi squared is the square root of two which is the number which produces the Clifford diagonal for relating the mass of the oblongs cross section in any case.
If we take the Duchamp mode of presenting D1 and D2 as (1) the Given and (2) the Waterfall the previous survey as “given” earns as waterfall a series of independent variables upon flipping the script which I envision as follows:
A kind of slit screen composed over a disintentration of time cone like formation over magnetic like interference to hyper plastic rather than elastic manifold distortion over an opthalmoscopic like ranging of

potentials in which the gnomon or clifford like diagonal is transformed into a density variation to back propagation creating the seemingly random forms which one may thing of as saddle like points extended to a saddle like disintegration and recombination formation in time as a transpose of a fluidity in the density of independent variables spontaneously created.

Worm Holes

In my drawing I enlist the idea of dimensions to their own wormholes as that essence of their becoming which is simultaneously their definition, in the spirit of the previous discussion then The Einstein or Black Hole wormholes can be seen

in the contex of affine projections from Minkewski space time cone form which I then elaborate to saddleback forms and recursive gnomon like structures which self-critique and transform... thus we can compare this with the Large Language Model of Artificial Intelligence and the original slit screen experiment as well it's reformulated "delayed reaction form by Wheeler and Feynman in experimental apparatus and thought experiment respectively and these two again with The Blue Seek Model of localized reinforcement learning model over recursive structures with a cognizant value of making time itself more valuable by creating a

climate of self-learning per se which is more task oriented whereas the learning process of the large language model is more arts and humanities derived of infinity friendly concept. The slit screen experiment is in a sense the wormhole between the two modes in that it makes the conceptual basis recognizable to a sense of ongoing dialectical conjecture. .. therefore to propose→ over a generality: to give playful scope:: in: the spirit of poetry as the initial form of thinking analytic the poetic forms a spacetime combinatoric as Transcendental Ophthalmic Butterfly Velocity of a Hermetic Golden Section Hermitian Grid

Or
Transpose Wormhole over Saddleback Points as a Tidal Gnomon Analytic and Arc Tangent Affine Composition.
A simplified conjectural form then as precisely as possible states as :A Spacetime Combinatoric thus the actual title.. Where: spacetime modifies a diagonal matrix and a combinatoric builds a perception. Gravity waves for example are a tool for studying spacetime itself we consult in much this spirit. The other titles are markers of sorts, the transcendental ophthalmic refers to Lie geometry considerations in quantum form, the butterfly are specific thermal states, , the

Hermitian grid is a golden section form that is my presentation of harmonics, saddleback points and wormholes refer to Einstein conjectures over his mathematical preparations, and the arc tangent is a natural repose of considering nested dimensions in recursive modalities. Thus while the first set of titles might have received Feynman's eternal damnation of obscure posing they in fact are redeemable to a physics acceptable presentation via a mathematical harmonic which is my personal affiliation and construction tool for combinatoric presentation. Inevitably, one must start with the slit screen....which my composing and recomposing and decomposing

titles have been as it were an avatar. One is left again to ask “what is this object?... can we understand it” as Matt Strassler puts it.
A good place to begin are the articles
https://journals.aps.org/prx/abstract/10.1103/PhysRevX.15.011015
Quantum and Classical Dynamics with Random Permutation Circuits
https://arxiv.org/abs/1705.01728
Butterfly velocity and bulk causal structure
Together they pose a consideration of finite thermal location and then again a relation between the activity of introducing random information into a linear order contrasting against parameters as localized patches to an informal conflux.

What associations do we clarify to build as our start up language? To begin with, we recognize we are creating a sort of sorting process as it were toward our posited slit screen object beginning perhaps with its very object state.
Deciphering DeSiter Declutter”
A comparison might be the Michelangelo’s figure emerging from it’s block… Figure is organic and the inner rock is morphic, then again the block is architectural and the figure is composed. Rather than the either or of the Schrodinger cat the question of the diagonality of the block, it’s Clifford mystique engages a tension between parameters and operators at the slope intercept of a complex

differential equation where the behaviour axis is a strange combination of scrambled information, information in process, and information sorted and composed and recomposed to a control axis.. Over this we periodically initiate a process of indicating an ordered structure over chaotic regime and then again randomization over order. This pairing often is deemed too simple, sort of “not sporting”. Like shooting fish in a barrel perhaps or upgraded to “perturbation” … but on closer look there is a kind of evolving element in the spectral gaps engaging automorphic results…

So to de-clutter the language and thought experimentation but recognizing the value of non-sense as in a sense consciousness- linked in that perhaps we understand the dream poetics through the humor of consciousness?... yet given I personally tend to lucid dreaming the result is essentially that
The slit screen relates constants in nature as self-interference structure with a sorting process requiring us to try to realize how we understand dimension.
So at this point I turn to the lucid dreamscape of mathematics: as quantum thinking requires one to analyze ones thought process....somewhat similar to

machine learning…but with a sense of evolution in process (yet also somewhat machine learning shared)…As Heraclitus put it knowledge is one and shared…wrong! Actually, he said understanding is one and shared, just as he did not say you cannot step into the same waters twice but rather stepping into the same rivers meet other and yet other rivers waters… for us perhaps fields transposed to infinite valences of wavicle interference made self-interference at measures…
The mathematics actually again concerns Heraclitus in his comment that any point on a circle is its center and again he states “for these transposed are those and those

transposed again are these” by which he is substituting for Pythagoras’s theorem its actual origin in the gnomon diagram (gnomon- that by which things are known, avatars of sundial and architect’s edge .. .In the drawing I extend the gnomon field of complements relative figure to unity ration as meeting equilibrium at quadrants and relating a sorting process of the octonion over a central sorting in the general structure of an ophthalmoscope per suffixes in harmonic content by way of structuring to a quantum packet of .0156 which is generative of the Planck thus an inner harmonic whereby those quanta not partial ratio to each other have within them

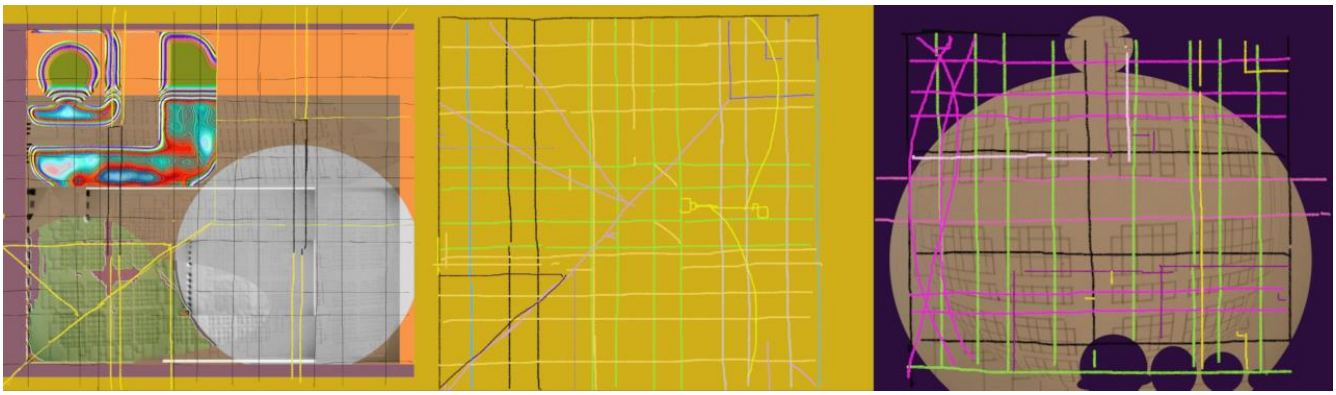
a number line spectra which I hypothesis has a Hall like effect to the ordering and that this may be the ordering process encountered in the slit screen...

drawing Bob and Alice through the Wormhole.

The drawing creates a mathematical domain to represent the relation of interference patterns through rotational fields in a juxtaposition with the slit screen as then in relation to particle splitting formation relating to jets as that opening into the strong and weak force combinatoric of the strange quark at that specif weak thea angle. in both cases relating to the Planck' high energy confinement of spectra.

the superpositions then of interference patterns (which parse to dimensional analysis in implementing quantum structures) as one paradigm and its oposite is energy splitting ... in the first case the event of interference patterns which condition the perception of the slit screen can be generated over particle fields by rapid rotations which create the oblongation and also a separation to polar positions of the two valence particles, while the gluon flux tubes similarly structure and specifically to their splitting at energy levels rather than creating energy levels... in a jet form which finds in the angle the influence linking weak and strong fields via the

strange quark and its connection to the original cosmic disruption between the electro weak and magnetic fields. Thus the orthogonal light wave has its back propagation mode while seeming in that structure to be showing the effect via orthogonal cross section of the splitting of the electroweak and magnetic fields. The overall consideration is that perhaps, considering the before field splitting universe (confined to a very small nano division of time) and “now’ we see the macro and micro inelastic consequences arriving to a plastic or mirror like condition through the wormhole so to speak….



Temporary Summary:
Jets, Sunlets and Islets : a concise history of randomness:

Via analytic continuity the wave function is inherently complex,(Fourier, Hilbert) and density is the permitted level of indexing a recursive function where permittivity is the filtering of the fluctuation over the informational identity mean (diagonal and ratio) as the tidality of evolution over the totality function. Conflux over equilibrium state are then become branching upon a sorting of that midline via a parallel condensation of the dimensional amplification of sorting to it’s image or range of observables at unitary and partial progress between mod and unity posing introverted and extroverted ratios thereby in the reciprocal aspect of “i) … and the evolution of the function as variation from the identity mean is the computation

density of the information matrix as then differentiation is the branching of evolutionary principle in structural oscillation over random to specific behaviour allocation of exponential resonance as the time space density of root modes to experience in the phenomenological observable as observant. Continuing then towards considering: https://arxiv.org/PS_cache/hep-th/pdf/0209/0209211v1.pdf
Deep Inelastic Scattering and Gauge/String Duality

The randomness function can be referred to a comparison one may make between micro and macro scales in gases which we can relate to the sortie made on time evolution perception to scale events between micro time and macro space we prepared to view in dialectic between cosmic origins and the

sorting process to strangeness of high energy particle creation...
Towards this first sortie we can pose some lingering questions to return to namely: (as I referred them to another person ie Matt Stassler: well... Witten says not to be afraid to emabarass ones self so here goes: I wonder if a kind of deep inelastic scattering process applies to a way dark energy reads black body, that is, scattering quality relates to degrees of freedom of individual atoms as a back and forth between kinetic and potential energy which gets averaged out to the Plank's restriction on loss... and perhaps the Planck's own deep inelastic scattering so to speak relates to the thermal conditions necessary for gravity to become a force of deep collapse and that where a weak and strong force on the jet side of production via the intercession of kaons and strangeness creates a tidal condition to dark energies reading of gravity...aparently

dark energy is not spectral in the sense we give black body but then again a string theory alternative perhaps (I just started reading a paper of yours which seems to be going in that direction but its going to take a few days for me to crack the math... working on it...) but perhaps you can give me a bit of a forward through some of these aspects I mention....? thanks... that then dark energy in the reading borrows a spectral vocabulary in the paradigm of the black body?

Now: in the case of ideal gasses (diluted) and their opposite cases of nondiluted we come across this landscape/timescape: and parenthetically the following has some annotation at the time of the surrealists in a cross section between art and physics mathematics where the term surreal mathematics references limiting a unity analytic between operations scaled between

zero and one and fairly dependent variables as opposed to hyper real mathematics in which independent functions are created over an extension beyond such a unity field, thus a tension between mod and unity or Bethe Ansatz and Aleph, a note on the last was on Feynmans study board at time of death....
The Ideal Gasses are diluted and are a macroscopi identity scaled essentially to Browninan motion over a mean scaling of the differences between the paths of particles to collision or scattering point whereas the non dilute gasses become subject to a microscale wherein time reversability features a comparison between the calculus of finite differences and the calculus of differentials that is symmetrical forc bounded Bethe Ansatz or extended beyond the mirroring into independent function space ie Aleph.

Monte Carlo Dublin Bridge: Variations on the Dark Energy Survey
Or Pythagorean and Harmonic Color Charges of Plasmodium Hours of the Vacuum/Vacuii,
An interesting aspect of the Dark energy survey which corresponds indirectly with your article on deep inelastic gauge theory as I am presently reading by gathering into its resources supplemented by your article on What is an Electron and the supplemental diagrams and notes in Why a Wave Function Can't Hurt Your is the necessity to measure fields that are simply very hard to measure in order to glean any subtending construct. In Figure four of article on Electron the berms and wales, peaks and troughs, you note the act of measuring will essentially subtend the sequence and so alter and yet turning this morphology of entropy towards enter Pei as it were where Pei means

transform it is remaining structural to observation that mechanically the angle of incidence so to speak of taking a measure establishes a base or unity mode, a normalized plane like the reference to unity physics likes to use to link constants to a normalization or quasi compact complex plane through affinities. Similarly the genesis you observe in diagrams over one and two dimensional coil and recoil patters bring a backgrounding so it would seem of the sinusoidal aspect of the square wave which in and of itself has subtended independent variable structured into the outset theory per Bjorke scaling domain wherein the very beautiful and profound sine wave structure is essentially garnered through that statistical coil and recoil you present in which also then the presence of an event to the non event as part of its statistic has also in the recoil to a limit track and trace of no less than the tortoise

and the hare. By this I mean the the scaling of radians which find their remaining space at half plane the angle of completion of one pi that is to say, that distance which because shorter will reach its limit sooner, the turtle quicker than the outsider two pi hare, or in quantum mood one might say tortoise wins race before its even begun by being circular to start with thus endowing the circle upon which any point is its center with its four pi massing into the 16 pi Einsteinstatistic.

The entry then of the idea of vacuii as subtending the idea of the empty space or non event can perhaps be related to the “space/no Space” idea of the artist Robert Smithson in photographing sculpture to remove backgrounds itself in synch with Tony Smiths dark sculpture Minima in which the underlying presesence of architecture subtending the

sculpture was effectively its background embedded...

Drawing /Physics Identity : Spirals and Splicing of a Scherzo Suite
Or: Color Charge Plasmodium of the Constants and their Dimensions Known and Unknown..
Concerning unity and mod harmonic transformations through physical Constants displaying complementary charge forms structured to the integrals and transformations via logarithmic spirals and splicing's, Pi, the Golden Section, the Gnomon, and Square Root of Two
This Harmonic Field then is much like a musical instrument, the process is a harmonic instrumentation in a fugue mode and at outset the idea is a sense of color charges in a randomness of their formulation within a plasma like equilibrium punctuated by the

random flux of the vacuum growing through incidents of perception.
In Essence, the Greek Gnomon of structure of figure to unity subtends the subsequently derived mode of the Pythagorean theorem and the inverse square law. The Gnomon could be described as unity plus x is complementary to one plus unity as a whole. The square root of two times the square end of an oblong times two will be its mass while the full diagonal intercept will create a spiral, the features of which can be modified by inner combinatorial resources to the harmonic features of resonance. This then is the fundamental resource at outset… and as it meets quadrant definition to Pi and spherical projections.
The following Harmonic Plasmoid Color Charges reach through the strange randomness which carries very specific structuring as “an attunement which turns back on itself.” My

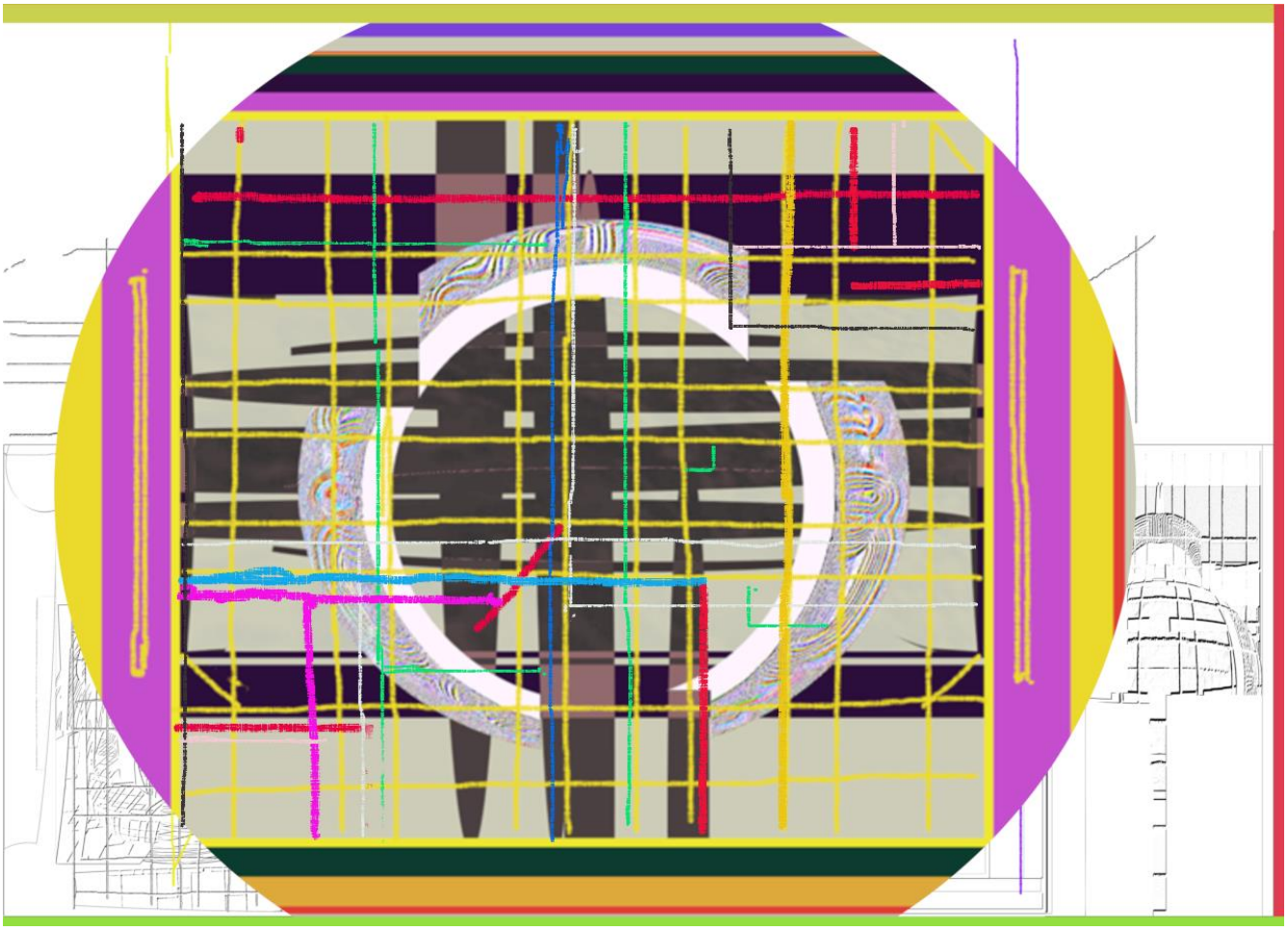
story then is more or less how the music creates the instrument , like the waves of sound which take centuries to pass through the suns plasma and can be recorded....
That is... an intuition exists embedded in the number-line as a cosmogenesis in and of itself and so this approach is previewed as follows...
Scherzo 1
The values of the neutrino masses are considered as a cloud, one of them directly is the square root of three while the others have harmonic values at their exponential values which all told then link the .578 value to also .022 to neg fifth as .788 the root of golden section, and .304 to negative fifth as .927 or half ratio of 1.854 as three times the section as .618. the resulting number cloud of .2.292 in reciprocal .4363 times .707 gives a mass of of .309 doubled as hypotenuse of ration adds .618 with .518 and .718 equals 1.854 the

double of the .927 value.. while the reciprocal of .518 as 1.927 equals .65 plus .6336 plus .64 where .65 is unity plus three times the g. section, .6336 is unity plus the square root of three and .64 is unity plus .56 which squared is pi, and equals 1.7854 , .7854 times four is pi and also the complement of the reciprocal of the Feigenbaum which occurs as well in the original .733 cloud as doubled then 1.466 and .466 times ten as 4.66 then the Feigenbaum. The two triads then of interest are 1.854 phrased to permutation as .718 +.618+.518

.65+.64+.6336
Another value the drawing considers is that of weak Theta or the Weinberg electro-weak mixing angle... which times seven is 1.618 while the reciprocal of .618 is the square root of ten plus the square root of 11... the square root of

ten is ten times the reciprocal of pi, while the square root of 11 is unity plus the reciprocal of the square root of ten thus the goldens section value which is very stable to unity is subtended by a modular aspect of pi embedded in the root square system...
Weak theta added .788 is 1.0156 where .0156 is reciprocal of 64 and can be derived from the square root of .788 as .888 in reciprocal 1.126126... and the value .126 squared then .0156 this number structural to the Planck... it fits into a golden section harmonic grid 64 times as unity... we see that .64 is 1.56 and .56 square is pi while also equaling 1.7854 where .7854 is the complement of the Feigenbaum and times four is pi. The number .788 is also four times the reciprocal of pi and 4 pi in that sense.
There is also a unique aspect of the Weak Theta Constant as seven times the golden section

compared to the term 1.854 or three times the section as together the tenfold.



Drawing Out Gravity's Vacuum through Harmonic Responsiveness : Construct between Number and Medium

Scherzo 3

Harmonic Stochastic Mathematical Medium of Drawing a Cosmogenesis through the Number line Hyperflux Referents Per Golden Section , Pi, Log and Root Value Interceptions of Constant Values Subtending the Quark Values Relative G and Recently Observed Constraints on Neutrino Cloud.

Given Weak Thea or the Weinberg Angle of Electromagnetic Scattering which introduces the channeling of the weak and strong forces being at seven fold 1.618 the natural follow up is to observe the reciprocal value of G as .149 is at three fold the reciprocal of the square root of five the parent form of the golden section 1.618 term logarithmic spiral This last proportion of .149 and .4472 is embedded in the structures of the top, up, Down and Charm Quarks

In the Drawing then I relate the new observed constraints on the values of the neutrino wave packet or cloud and to these variations , permutations and mathematical spaces of harmonic flux and counterpoint.

Thus the up quark 2.01 to metric value in reciprocal is then .4975 as multiplied by three 1.49 or ten times the value of G. This is a rather interesting state since raising a value by an integer multiplicand gives the module an increased freedom of movement or information space in its extended mode now in a sense a mathematical space or dimension... interesting because its been kicked up a level by shall we say G-force ...
Similarly the Charm Quark at 1.27 to it's metric then in reciprocal .788 is there the square root of the golden section and .149 to the negative fourth is .788 while 1.27 is four times the reciprocal of pi. Relative this the new lower constraint on the neutrinos as 6.2 is in reciprocal .1612 and this to the negative third is .6336 which as the half value of the previously mentioned 1.27 at four pi is itself then two pi. It is also true that .1612 times seven is 1.12 or ten times the vacuum permittivity .
The upper value of the constraints at 2.9 is in reciprocal .3448 which is square root of .588 in reciprocal 1.7003 and .2997 or c is the complement of .7003. .3488 squared is .118 and this to .5 is .618.
The Strong Quark @ 95 to it's metric is 1.0526 in reciprocal of which .0526 times 11 is the square root of three...and the hypotenuse of its mass section is .6708 or three times the half value of the square

root of five. Most particularly the Strong Quark is interesting because its log spiral intersects the suffixes of the golden section which stems for the root of the section as .788 being brane to next log of .888 which as 1.2345679 is the ordinal tract of the structures of some 400 algebras. The suffixes then pattern to modelling ten fold and are as .0073 (the fine structure constant and added unity the atomic mass value of the proton while .0082 added unity is the atomic mass value of the neutron... the serial suffixes continue as .0064,.0055, .0046 and so on which are reflected then in spiral values of the Strong quark as headlined. The atomic mass of the proton at 1 .0073 and the Neutron at 1.0082 show these traces and the speed of light is twice the value .146 or fifth spiral of golden section from 1.618 or fourth from .618 its reciprocal plus .0073 and mathematically the combination of these suffixes with each other or larger terms have a particle like existence of their own in mathematical space.

So far I have described a mathematical space which evolves from the relation of the golden section as mirroring indexes structuring the square root of five. And the .4472 operator is G or .149 while the .618 operator is Little Thea or .231 . However over these operators there are two more which are in an

essentially entangled state devolving from a relation between the square roots of six and three. These operants are .8726 and .8172 as well as their complements .127 and .1828. as well as their extensions to unity. Euler's number introduces these in the form of a series of Palindromes where a palindrome essentially gives a proper space, or light cone, separate from the shift in magnitudes the progressive indexing of the ordinal tract provides and which he researches through the progressive combinatoric values of the progressive squares and cubes. Euler's 2.7182818284509 gives the lollowing palindromes

81/18...2.718/8172...

And two complements, ie .8172 and .1828

.28 and .72

.828 as suffix to 2 is square root of 8 qs square root of two divided by four. The .1828 value complement of .8172 8 fold is 1.46 or .146 ten fold where .146 is the fourth turn of the golden section spiral beginning at its reciprocal .618 whereas .8172 marks a denomination of .4472 ie the reciprocal of the square root of five in that its 1.2236 value twice is 2.4472 and this simultaneously is the square root of six. The Square root of three on the other hand is marked to the fourth turn of the .8726 reciprocal of .1"46 while the complement of .8172 as .1828 times 8 is 1.46 or

ten times .146 while yet again the complement of .8726 as .127 is times nine 1.146 and .127 plus .1828 are .309 which twice is .618 there fore all told the square root of five being unity plus twice the reciprocal of the golden section is also unity plus .1828 plus .127 plus.127 plus .1828 on one wing and on the other wing of unity the same repeated. One can see the numbers are already fairly “entangled “ or in superposition so to speak and the relation continues to produce from unity added .8726 a reciprocal value of .534 which has as complement (the complement being always already a kind of superpositional space in which for example was much featured the discover of antimatter) .446 and this number is the tenth part of 4.66 or the Feigenbaum Constant. .446 cubed will provid .101 which is the reciprocal of pi squared thus the square root of two which defines masses at cross sections of part and intercepting the diagonal or hypotenuse or h value of such in oblong are at intercept forming a logarithmic spiral so then also is .606 or the value of the summed counting integer roots cubed maintains at six times .101 ... the reciprocal of the Feigenbaum at .2146 has complement .7854 which times four is pi, while .56 or the vacuum permittivity .112 times five is squared pi and itself 1.7854. Weak thea added

to three time the reciprocal of the golden section will be .7703 and this doubled 1.466.
The drawing then features all these elements as being plasma like in a kind of low key equilibrium like space itself perhaps but subects to spikes within that randomness with a kind of coliotura that finds more directed paths at various s of the taking of measure. The drawing has also selecte various quarks as showing specific mathematical founding in harmonic terms.

.127 .1828 .127 .1828

.1828 .127 .1828 .127

= squ. Root of five
=(1/x G) (3)

214q5

A Combinatoric Cosmogenesis : Harmonics and Dissonance Simultaneity in the Quantization, Confinement and Distribution in Time and Space Vector Evolution Between Pi , Euler's # and the Golden Section

Just Such a Piloti and Pilot Wave is proposed as a cosmogenesis of the numberline structuring the timecone and adaptive morphology to the dynamic system of the Golden Section, Pi, Square Root of Two and Euler's number as being embedded and constituent set of matrix operators. Meaning that these will be shown to compose all physics and mathematical constants towards a dynamic purpose. In which a form of Goedel mapping toward a golden section hermition matrix is featured as a

resonance/dissonance supporting time space evolution…

Here Then the series which has so far been a capriccio like set of drawing/writing scherzos structuring just such a numerical genesis is no longer a stand-alone series but branches a conformal symmetry orientation in the links between dynamic and bilateral symmetries entering via n-dimensional passage a tidal flux structuring a verity warranting the to-be-seen -surface which is structured into a spectral formation of the auto morphologies per their adaptive capacities.

The Specific Argument of the Drawing is a structure which will be structured on a genesis first plotted and originating from the evolution between Euler's Basel Series to the Euler numbers relation to Palindrome structures. While Harmonic values composing the Constants are a vector the

inverse allows Constants and also quarks and bosons to stand as avatars. Following just such a model then the equation models a time evolution represented in Pi which is embedded in a spatial evolution embedded in the square root of five as Janus normalizing of the golden section of which bilateral and dynamic symmetries play counter point in a construct enabling co— existence structurally between harmonics and dissonance in fact featured by the Higgs. The equation relates the Higgs to the Planck, The Strange to the harmonic suffixes of a .81 indices of brane seven, and the relation of gravity or G t per .149 three fold as .4472 or square root of five.

The constants, quark and boson avatars many of which have been touched upon in

the previous drawing/writing /art and physics scherzos as cappricios show as follows:

- Weak Thea seven fold is Golden Section
- The Charm is simultaneously 4 pi and the square root of the golden section
- G times three is the square root of five parent of golden section wings
- The muon is one thousand divisions of the gap in a square between the square root of five twice applied which is an independent fx of the previous
- Log 4 of .618 to the negative three is a composite map of a perfect square matrix having identity of 1.8726 which in reciprocal has as complement .466 or Feigenbaum divided ten and .466 to third is .101 or pi square, this times six is the Basel indexing of cubed roots and times seven is the progression to square root of two as .707 and the structuring of

masses on that diagonal as cross section in general of any oblong. At this point an evolution occurs between I as identity an(i) as complex. The Feigenbaum at 4.66 is in reciprocal .2146 or 2.146 divided ten where .146 is log 4 of .618 and the complement of .2146 is .7854 and this times four is pi

- The evolution of the time value of pi indicated in previous maps in a continuation reviews the gap space of .1056 between twice the square root of five posed to unity in which .056 is the tenth part of .56 which squared is pi just as pi squared is .101. the number and perfect matrix 64 as .0156 features in the construction of the Planck and one can compare then .01 and .10 with suffixe .0056 providing those terms .1056 and .0156...

- .112 the vacuum permittivity times five is the square root of five and times four is .056 or .56 divided ten
- G or .149 times three is square root of five
- .0406- as- Higgs then divided Planck as .27is
  3.718 which is the complement of 2.718 if both are in their reciprocal values and as forms Eulers number which then includes its complement. Added unity 1.27 is .788 or the square root of the golden section
- The fine structure constant .0073 in reciprocal intersects with the suffix values of the golden section which themselves intersect with .81 or nine fold matrix divided 100 and in reciprocal 1.2345679 giving the ordinal tract of some 400 aglebras and the path integral by extension built by Eulers mapping of

square magnitudes. The suffixes of the golden section terms are .0019 → 0091 ie ten fold groupings
as .0091 ,.0082 , .0072 ,0064,.0055,.0046 ,.0037, .0028,.0019

- The Protons Atomic mass is 1.0073
- The Neutrons Atomic mass is 1.0082
- Twice the log 4 value of .618

added .0073 = C

- The Strange quark has an amazing indexing evaluation through its range of definition...which can lock into the previous index of ..0019→.0091... The Strange quark poses to its metric a variation of 92 to 104 and these values in reciprocal are from 99 then .10101 or .101 divided ten where .101 is Pi squared.. squared, .0102, .0103, .0104 and so forth and these values divided against the previous index as ratios are

all in very distinct golden section harmonic terms.
Piloti... or Pilot Wave Standing Wave Redux: is a way to thing of the harmonic Hermitian golden section plastic grid I use which permits fuzzy numbers in the integrals to generate the dissonance which it interests me to trace to a surface in which the structural .0156 to lo .1056 which characterizes the Planck is the compressed value of 64 so to speak where the centralizing of a statistic is constrained to the packeting giving density to the Gaussian packets. Similarly, the values on the grid can be created by continuing the golden section grid as it passes through the smaller suffix values as subtracted from large modulse to create lesser by these ever finer distinctions of the spiral. The .o156 as 64 then, in a ten fold grid will give

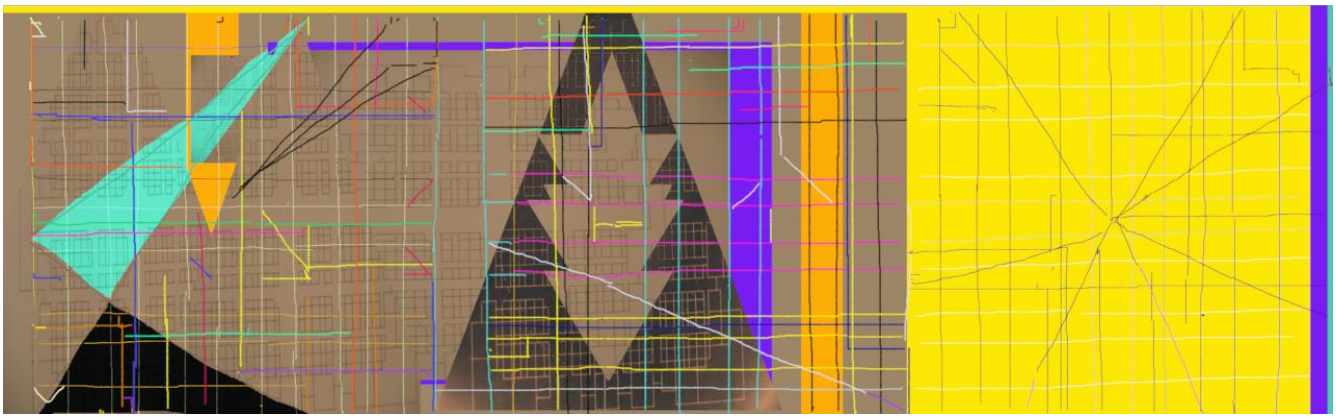
values of .64 as tiles, and .64 as 1.56 generates of .56 that number which squared is Pi, and itself as 1.7854 has .7854 simultaneously the complement of the Feigenbaum and if multiplied 4 is Pi. The fact that smaller values generate faster coupling creates the conditions of a flux field of this surface and this in turn is characteristic of a super-conductor, which in essence the Higgs itself, and these via the Strange quark as distributing weak and strong value in physics tension of the structure between harmonics and dissonance subtended in spinor structure and considerations I make of the octonion as a fielding as loaded to complex value interception via positioning of the vector angel to corners of the composition. The ranging of the smaller values in a format to an opthalmoscope intriques me also

as an atavar of this inverse square composite mapping structure which unfolds to time space evolution where pi belongs to an embedding of time evolution in the log value evolution or inverse square structuring of the golden section as prefigured by Euler's analytic as well stemming from the prior Basel number of cubed roots.

- W Boson: at 80.4 to metric is .0124 : we can review to .0156 as generated also by the square root of the square root of the golden section thus of .788 then .888 and this number as 1.126126 in the repeating decimal acts as a kind of square wave .126 times .126 then .o156 and .0156 squared as .121 is .0124 divided 100 where .o124 is the half ratio of the sixth turn of the .618 spiral.

- The z boson at .0101 to its metric is .101 or pi squared then divided ten.

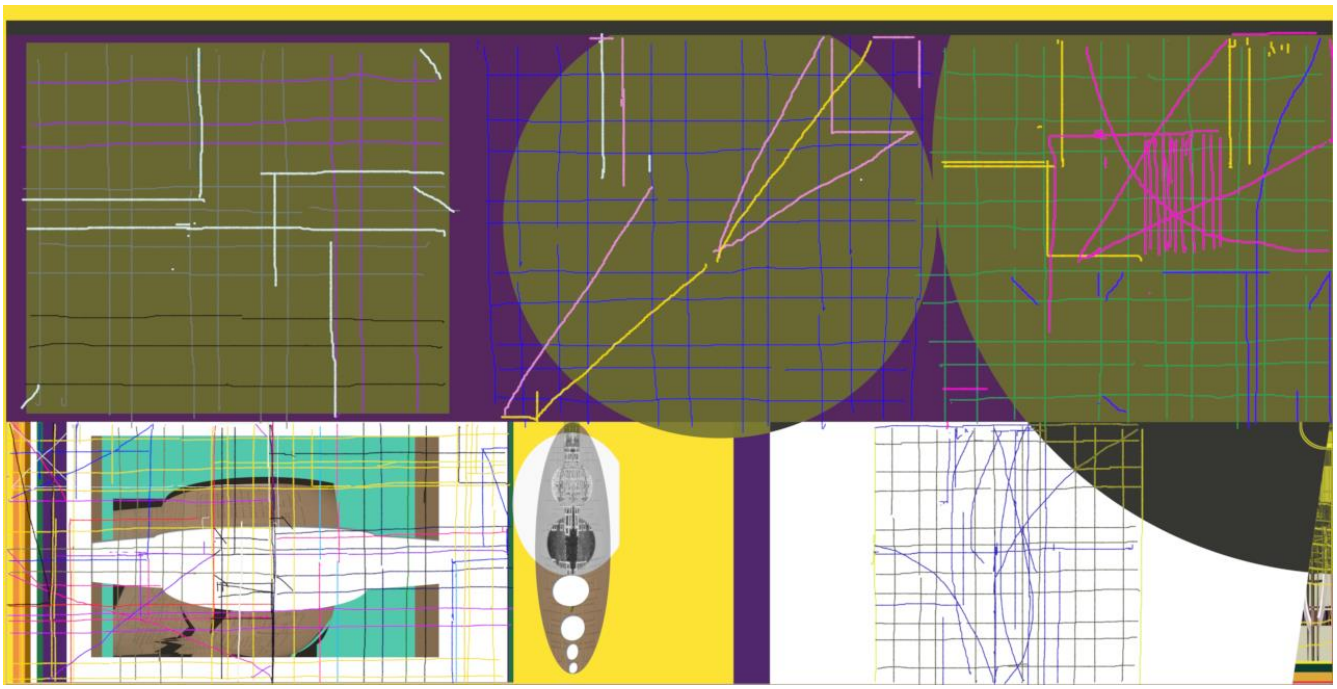
- H values… the h or diagonal of the reciprocal of Pi interestingly is square root of five.



GLYPHS -THE ART OF PHYSICS IN THE DRAWING OF THE WINDING NUMBER MEANING:
D-BRANE PROJECT TOWARDS LANGLANDS SPECTRAL AND AUTOMORPHIC PLATFORMS CONCEIVED OF UNIVERSALITY OF DRAWING IN THE FOUND ELEMENTS OF :
MULTIPLICATIVE CYCLES PRESERVING ANGLE OF INCLUSION TO IDENTITY KERNEL AS SPECIAL ORTHOGONAL AND DIVISION AS PHASE REFERENT OF ENTRY ANGLE SLOPE INTERCEPT PRESERVING TRANSFORM RELATIVE ORIGIN AS PHASE THUS IN SIMULACRAE OF IDENTITY POSED TO RELATE OF MODULAR THE IMPLICATE WHOLE OF THE COMPLEMENT DISTRIBUTED FROM THAT INITIAL IMAGINARY NUMBER TOWARDS THE MODULAR ASPECT OF THE FORMER AND MODULUS ASPECT OF THE LATTER REGARDING MULT/DIV... TO BEGIN WITH THEN EXTENDING IDEA OF

SINGLETONS AND ANTI SINGLETONS AS MAPPING THE WINDING NUMBERS BETWEEN AUTOMORPHIC AND SPECTRAL ELEMENTS AS A VIEW AGAIN PER BASEL FUNCTION OR THE EMERGENCE TO VIEW FROM A WAVICLE WORLD LINE OF THE MASSINGS AND RECEDINGS OF THE QUANTUM TUNNELLINGS THEMSELVES WITHIN AND WITHOUT AND SO CONSIDERING ONWARD THE QUANTIZATION OF THE VACUUM VIA VACCUA THEA (VACUUM POSSIBILITIES) BEYOND WEAK THEA AND THE ULTRAVIOLET CATASTROPHE SOLUTION IN PLANCK TO CONSIDERATION THEN OF THE VACUUA ON STRING LEVEL SCALE AS MIGRATING FROM BLACK BODY TO DARK SCALE.
THIS THEN IS THE PRESENT DRAWINGS INITIAL CONCERNS PRESENTING ITS IDENTITY AS UNIVERSALITY TO SPECTRAL LOCALITY. THE TERM D BRANE AS USED HERE MEANS THAT THE MIGRATION OF DIAGONALS MAY HAVE WITH THEM A HIGHLY COMPRESSED ROTATION BASED ON

Hyper partial derivatives and this resonance between identified poles of opposition carries the context of fuzzy numbers relative conciseness of planck packeting.



314

U10

REVISITING CALABI-YAO ∑

DeCycling the Holomorphic Mondrian and Rothko ∞ Drawing Through the Arts and Physics of Topological Decays wherein:

Hodge and Fuzzy Numbers: no dodging the Hodge Podge... a syllogistic re-array ...:anti dimensions holes and cycles compendium..

To entertain a passage through n dimensional traffic of Vacu Thea (different vacuum dimension possibilities to structure) I breach as though the difference between fuzzy numbers and integers a drawing structure in which the borders form as it were “traps” via a distribution of color in hard edge reality that across

the field of the drawing self intercept and soften the image , a kind of Mondrian impulse meeting Rothko as its winding number in effect. The effect is to highlight the sense of transmosis between quantum mechanical and quantum field theory by which the equation outside the system then become three dimensional and the physical system itself, while also referring to three dimensional form which in n-dimensions is counted two dimensional and so introduce the d-brane subject furth into the Langlands friendly overarching interest of tracing the events of automorphic and spectral structures into phenomenon of the mind... from whence we introduce fuzzy numbers and Hodge numbers as lights up along the way.

Conflux Wells

The Mondrian Diamond in it's physical dimension can be compared to the Hodge Diamond, the latter being a statistical table in that form of mirroring tapering from center whose function is over cohomotopies or the correlation between different topologies such as the difference between SO groups or Su the former dynamic to spin the latter to length of vector, or one might exemplify true vacuum ie physical and false vacuum which entertains higher dimensions or again quantum mechanics which places the wave function outside physicality as its referent or quantum field theory in which the wave function itself is physical, thus mapping these differences on to each other

as the co-homology is the series of crossings or winding numbers of “defects in topology” (metamorphosis) The Hodge relates to the Complex and Simplex plane cohomotopies, Pascals triangle being an example of simplex structure. The crossing aspect I mention also suggests on a simple level that the Special orthogonal group by preserving the diagonal preserves identity vi multiplication while division preserves transform. Thus the reciprocal nature of multiplication to division are core homologies in a function approach.

My approach in my drawing is to create through a Hermitian golden section harmonic grid (palindrome quincunx) in which the spiral construct allows generating infinitesimal distinctions creating though building up those small scale suffixes as

intervals on the one hand as a log symmetry and then again a valence or division by the halves of figure to complement gives the Gaussian or Morgan valence field of bilateral symmetry as then the dual homotope of that homology.
Fuzzy numbers: Just as in drawing in which a line creates a certain distinction recast as a drypoint print which throws a distinctive burr, just so the suffixes relate at their small scale to regroupings or couplings which often show also by multiples of integer as creating a new dimension per freedom of movement… The Hodge numbers track these crossings in higher dimensions but the table I mention which is in “diamond” form also does so in a particularly interesting mode via the use of the holomorphic or cyclic elements (local definition ie singleton

friendly) and corresponding anti holomorphic as structure of the cohomology to sum up our previous definitions...as the table turns the eye of the tool in the form over all such conflux and dynamic flux is then being given the lens of the palindrome. The complement of the square root of three in reciprocal form for example is .4224 and shows a palindrome. The half ratio of that as .2112 is also a palindrome and is the complement of the square root of the golden section in its reciprocal form. Tangentially: These two which are in a sense different topologies ie the square root of three and the golden section as derived from a root but more of a wave function at log levels are ideas which can be bridged and this bridging is the nature of the homological connection to analytic numbers through harmonic... as a

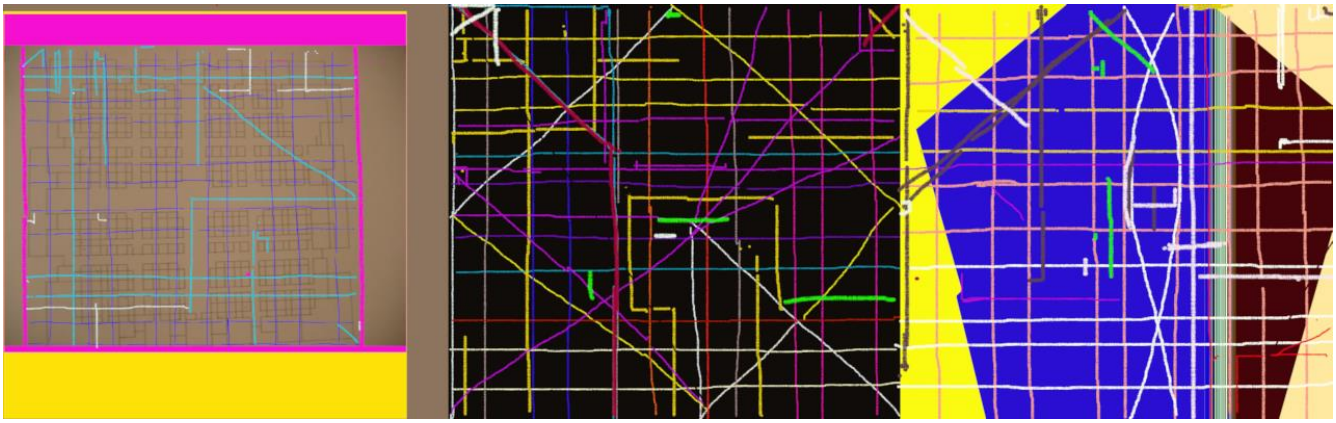
syllogistic structuring...now returning to the topic of the palindrome we find: that it makes compact the magnitude structure to an equilibrium something like a numerical plasma or Bose Concentrate ... the palindrome structure we see in profusion for example in Eulers number 2.7182818280945.0 where we can compare the palindrome structures
2718/8172
18/81
(as well as complements: 8172/1828 and 28/72 and :the half ratio .09/.045
Within my own drawing I also reference a table I make in which the value .0156 or reciprocal of 64 which is the essential structure of the Planck number and relates to .1056 or the interval between twice the square root of five in unitary field share the

term .0056 as distance from .56 prased as .01 and .10 respectively added .0056 where .56 squared is Pi, and itself in reciprocal .7854 is times four pi while that number is the complement of the reciprocal of the Feigenbaum at its tenth value and that number .466 of 4.66 is cubed .101 or pi squared thus the form underlying .707 or square root of two which in general determines resting mass in orthogonal measure of square section. That said: the number .0156 evenly divides the field, compactifies then to a harmonic version of the Planck and so the table I construct multiplying the integers times 64 in their ordinal succession provides an interesting mode toward viewing a structured approach based on the following.

To begin with, outside the table, The drawing mode of creating fine distinctions by the suffixes group these essentially as a cascade provided by the distinction per the perfect square 81 at .81 as 1.2345679 and this the ordinal tract of some 400 algebras is also the ordering mode of Kalabi-Yao in labelling the crossing of dimensions (termed also “holes” one might thing Holomorphic)…which we will return to later per Kalabi -Yao smoothness but for immediate purpose at golden section grid the suffixes show as .0019 through .0019 in a tenfold preservation scheme thus .0091, .0082 ,.0073,.0064 etc…
And these allow very close harmonic approximations… The packet version of multiples of .0156 is slightly more approximate and the progress through the

table tends to identify a kind of sequence provided by terms which are quite close to the harmonic, followed by terms closer by the square root of the sum followed by a term closer to the next term squared. As mentioned, the Hodge numbers sequence lengths of palindrome sequence as the eye of equilibrium on a horizon's view of magnitude so to speak.
In my drawing I structure an approach over the palindrome mentioned of .4224 relative the square root of three and .2112 relative the square root of the golden section and turn to the half ratio of .2112 as .112 given that number is the number of the vacuum permittivity familiar to the 4 dimensional relativistic spectrum modelled on receptivity to electromagnetic structure. Weak Thea is the familiar angle which parses the strong

and weak field contributions from the Higgs, but the Higgs itself , and string theory have infinite levels potentially of lower level or “vacuum” energy definitions and these “holes’ at distinctions of branes or length limiting structures are essentially mapped by the Kalabi-Yao structuring over “Vacu Thea” or the entire space of possibilities for vacuum definitions then corresponding to dimensions. Thus I consider the constant of interest as the Coulomb which in reciprocal is .1112 or 1.112 times ten, unity plus spacetime vacuum permittivity of familiarity.



314v3

FROM PILOT WAVE TO ROGUE WAVE IN THE CONFLUX JETS : REVIEWING VACUUM POTENTIALS OF COLOR-NO COLOR THROUGH THE DOUBLE SLIT SCREENS OF DRAWING AS INCIDENT THE ART OF PHYSICS VIA ANCILIARY SPACE OF POSSIBILITIES.

Considering the Talbot effect of Diffraction as creating images through a grating of slips that replicate as they pass through the structure its own image in degrees of the inverse square law up to a critical point like Reimann's critical strip zeta where then at .5 what has been a fractal phenomenon becomes phase shifted or a kind of wave pattern which can be compared to the Clifford diagonal per .5 and its relation to masses as a tightening over differences, in the case of string theory also a vibration and a definition of relative levels of vacuum or vacu Thea... regarding this last the spontaneous

bubble nucleation of the vacuum and its own relation to also potential energy and the inverse square law adding energy the Greek

observation that true nothingness is impossible to think as the thought is a kind of something enters the realm of the quanta “measurement” and a readjustment whereby the spreading of a vacuum energy to equilibrium is not that of entering something else… and completing the thought, a bit lie (i) … a kind of imaginary number stands in relation not to Schoedinger’s first quantum mechanical equation but rather his Second Non Linear Equation. Backtracking a bit, the description of the grate over the phenomenon produced via refraction are the conditions which Young who discovered refraction and designed the slit screen experiment expected to see but did not , incident his experiment , expecting then the

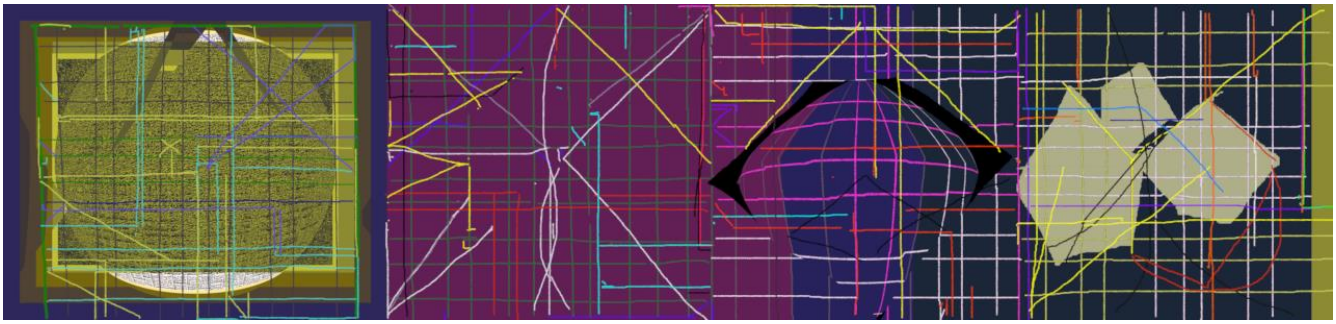
aforementioned Talbot Effect but finding instead a rather random pattern which we can perhaps relate to Schoedinger's second equation via its relation to the Rogue Wave. In this case, the same energy in sinusoids which shape extremum to form in light waves their orthogonal square wave structure can relate to a gathering in per certain contexts low grade energies outside the immediate referent such as also happen in quark and gluon "jets" which gather color-no-color energies from the vacuum sea beyond the immediate sea of the quarks as fugue dimensioning so to speak. These jets then can extend analogy beyond the micro scale to other jets on macro scale such as magnetic fields of cosmic web and black holes and possibly also to the bubble nucleation of the vacuum when we return to the micro scale.... Our intuitive question then being whether what

we saw in the slit screen experiment was a kind of rogue wave?
In the sense the space of possibilities includes an interference pattern masking a jet as itself a rogue wave entering the Implicate Whole and Pilot Wave of Bohms conjecture phased and phased to Langlands friendly comport towards the spectral and automorphic dimensions and their mappings -track and trace.

D2:Tthe Drawing
Canopy Colonade Duo and Tripartite to Colonade ; as Coloquium on N Dimensional Magnitudes and Jets Drawing Resources from Physics Foundations to Mathematical Poles and Holospheres.

The drawing plays with the idea of palindrome numbers based on the reciprocal of the square

root of three as .4224 and its half ratio .2112 which forms the square root of the golden section along with that halved to .112 which is the vacuum permittivity constant... as analogical to the palindrome matrix of the Hodge conjecture which uses the mirror function to link higher dimensional crossing to that of the familiar four dimensional time space. The idea of independent functions is modelled to a “jet structure where the sine cos juncture triangulates to center. Two definitions of the square root of two (that number the effective number of finding the mass of a given shape oblong at its cross section ie the angle stating ratio..)... one being .708 (which links to .56 in derivatives and that number squared then pi) while .707 gives relative the complex plane an opposite leftward mirroring.....



315a7

Relevating the Bridges
The word invented by physicist Bohm to mean taking another look.... Brings me to the structural idea of a diagonal as the mean of a ratio, literally, its “meaning” ...the bridge of its spatial continuous intercept and coordination of a rectilinear field in my reference... yet there is a duality to this which in a verbal advancing of the idea from two sources we can return to my stated referent.. in the first instance is Kant of “the conditions of experience are simultaneously the conditions of the objects of experience... and with Lorentz the contrast: :
“ the approximate present does not effect the approximate future”... similarly there is the contrast that the diagonal may be structurally adjoint or disjoint to the sets it describes. Adjoint degree links to planar diagonal through

analytic continuity whereas the disjoint version belongs to such as the succession of Pauli matrices which each to their identity or Clifford diagonal do not map on to each other, non-commutative... So the river to describe for the building of bridges I will present as the following flux of word meanings: singlet; singular; singleton; singularity; instanton ; as a holomorphic trajectory of orders meaning turning on zero as “degenerate” upon randomness or structure . This relates the observable over the phenomenal in an order we could call Non Pauli as opposed to contrasting non degenerate forms visited by the Pauli and the Einstein metric and also Kahler- Einstein metric which latter ,functions towards locating to the complex numbers and thus a relation of higher dimensions acting on the fourth dimension and anti Desiter space replacing Desiter space but

with a return in the case of the Kahler Einstein metric as we see relocating to Complex space as well... At this point a number of mathematical puzzles ensue: how are distances informed by winding numbers advancing singletons to instanton become knotted in curved anti holomorphic dbrane curved space ? How many species of zonotopes or 4-dimension polygons exist? How does the Hodge Diamond or ratio of matrix determinants studied to a palindrome or wraparound motif such as implicated by gnomon-gamma operate, ? Do saddle back points integrate butterfly catastrophe and higher dimensional interactions on the fourth dimension into hyperbolic parabola in that saddle back e.g. Earnshaw referent phase space? Looking into the Strange operators of non-holomorphic space can we relate them to quantum strange numbers... looking in harmonic oscillation in non-holomorphic space

can we look to link string theory VacuThea (varieties of vacuum solutions) to Weak Thea (mixing angle of weak and strong force via Physics distribution via quantum strange number and a reference to spectral lines as in our initial singlet reference? Studying time shifts in phase space can we relate dependent to independent function in the split between planar advance and bifurcation over field?... and of course, many others which will occur to us along the way...

The course of the enclosed drawing has been to relate topological functions across real and complex space through projections in which diagonal motivations to tensors where not “well behaved” become suggestive of a surface projection. These projections are linked to an underlying mapping of flux like energies which on the one hand discriminate to module like

transforms, and on the other place to unitary space comport. The splintering of a tensor bundle over the turning point of the vertices of the field as distributing then this independent function is an idea which broaches the ideas mentioned such as saddleback points and introduces bundle morphology into the mix of diagonal representation of density and phase. This then is a gloss over the relation of polynomial zeros as representing bilateral symmetry and the oppositional fuzzy numbers space of the log forms which essentially become structural to mapping indices such as Poincare mapping and the relation of hypercubes and hyperspheres to the string length of the n dimensional representation and the spaces and forms which occur to these crossings and windings.

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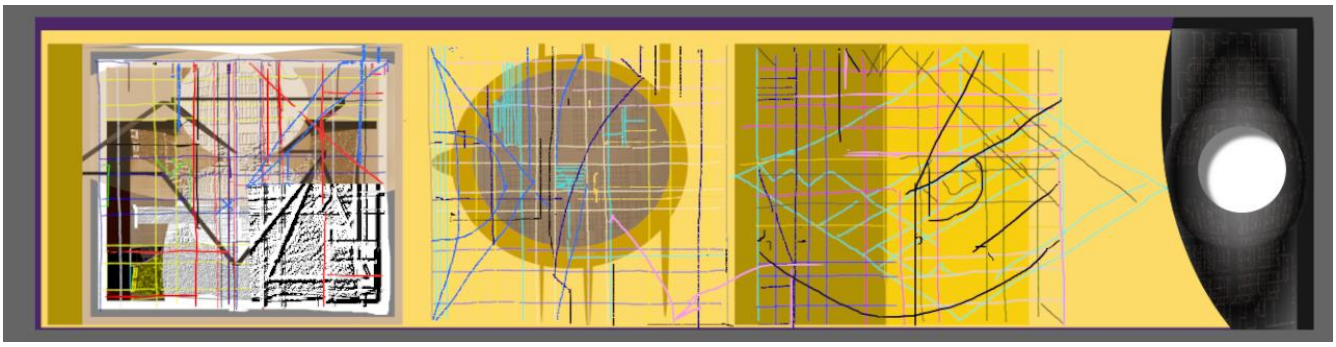

315b8

Post 5 Dimensional Views and The Trace of The Unknown in the Drawing Communication of Mathematical and Physical Paradigm Shifts as Dimensional Bundles and Densities over Time.

Looking over a group of unsolved mathematical problems I am bemused at their actual status over a critique Heraclius once posed in puzzle "what they get they leave behind, what not they take with them'... which effectively riddles the aspect of knowing what you do not know since we regularly consult the unknown to carry on (ie why apparently stone age sailors crossed oceans flints in hand) but back tracking must find in paradigm shifts within the track and trace of learning cracks in our knowledge in which we must reformulate what we thought we know and this highly by our preference. Turning to a first such potential bridge in that list the unknown is whether a ball encloses a

sphere. Heraclitus gives an example ;" the way up and the way down is one and the same" if we follow a spiral shall we say the Greek beloved golden section the spiral down if followed right to left upon reversing seem on way up then left to right and a clock on a spring. This polarity shows in the existence of the Einstein 5 dimensional equations , which exist in relation to his previous 4-work as movement towards recognizing the quantum quality of the electro weak field split carried within "strangeness numbers" via electromagnetism as a a transverse quantum effect for which a fifth dimensional approach critiques a simple selection, the fifth dimension from out of the available Minkewski zonotopes or hyper cube dimensional structures available to n dimensional thinking relative also the Minkewski time cone and that restricted indices of five dimensions sort to the Kaluz Klein work

in collaboration with Einstein which sorting variability to a “cylinder dimension of a tiny degree becomes the prototype of string theory which looks into dimensions there something like half frozen very pure water which suddenly jolted will freeze-over all at once, the cracks being like a signature of bubble dimensions and signatures of the variety of vacua- complement of each dimension as brane in the vacuum solution. Thus one is left wondering if added energies will ruffle so to speak any surface and distort some of its symmetry. These would be like signatures of traps, e.g. energy levels at a tunnelling entropic phenomenal. This last effect is the relation between holomorphic and non holomorphic (unique diagonal link in former and in the latter instead a sorting of the ratio implicates of diagonals) as structure which fashion the investigations then to higher dimensional effects over the comport of 4

dimensions. Another unanswered question is why is the fourth dimension so stable that it becomes the preferred referent for the higher dimensional comparisons? How many zonotopes (four dimensional hypercubes) fit into that aforesaid fourth dimension and along the way , can we prove the Hodge Conjecture which fashions the tool for relating in its “diamond” the shift to triangular matrices adjucating the tunnelling of the instantons or fuzzy number morphic structures that are the operators of the tunelling between dimensions? Up along the way and for the sake of the enclosed drawing Moyla Brackets become a proffering of dimensional gambit. For me Gaussian wave packets carry the information of bundling forms which have a curvature top and bottom implicating dimension building related the general structure of bundling which has a version in the recently solved Kakeya conjecture

of surface rotations traced by a point in which tube forms as locos of rotation joints is suggestive to me in the “graininess solution of central axis similar to the time cone referent in Minkewski space to three sphere development and then also relation to quark and gluon tubes in which fields pull particle polarity to branes or limint in a center to edge morphology of the ‘baryon vertices” promoting a kind of extendor mapping into the sea of possibilities as opposed to the bosonic measure towards unity figuring in the Kaluza-Klein and Einstein take. The original ‘cylender” solution or small ambituary of string theory dimensions placed in the Kaluza- Klein is suggestive also the structure of the Josephson Junction and also Casimir plate, the former the conjoining of computer spaces and the latter the energy generated by a rotational current on the space conductivity between two plates (like branes)...

An Aggregate Recursive: Vcuum to Higgs Mirror and Topologies of Dimensional Tunnelling with Saddlepoint Emphasis in Time Cone and Mathematical to Physics Cosmological Genesis Between Wave Function and Physical Phase Evolution:

Then studying the comparable recursive structure by which the Higgs gives a stiffness or vibrational magnitude as a version of mass to fields while itself being affected by those fields and then a gain a reaction to that as a reaction to itself so to speak compared then to the vacuum hosting fields but in so doing sharing likewise a recursive directivity to its own vacu thea manifolds as opposed to the weak thea operator over the Higgs W and Fields (and these Higgs germs as relating to original cosmological disturbance of seperation of weak and electromagnetic fields the "strange" quantum number has effectively a similarity to the "natural log" whose recursive germ is 1.1, also considered a "magic"number in thin material physics and it it is recursive to base ten structure per decimal. ie the 2.718 is 1.618 plus 1.1 and 2.718 is the reciprocal of the square root of seven plus the square root of 8 plus the reciprocol of 2.718 and so considering the relation of cosmogenisis in physics and its version on the number line the use in

the Einstein Unified Field effort of five dimensional equations seems to take a similar point of view restricted there to the fifth dimension but subsequent efforts towards adapting a bosonic point of view toward the fermion barionic vertices as an extender graph by analogy into the instanton intercept into multiple dimensions parsed leads me to wonder about the relation of the level of energy per a vaccua variety as its dimension in relation to the lowest level of weak force and strong force tunnellings as indeed a horizon on unified field theory in which essentially the dot product to string dimension in the fermionic realm can build a kind of complex reconnection to the bosonic?

in general we see presented one to one correspondence of unlike terms as are placed to a bilinear expression of Pauli Matrices but with an added distinction of a "color" identification charge and so the presentation subtly draws on the fundamental case of flipping signs in mathematical unlike terms in the context of variety in the mathematical space in relation to bosonic and fermionic space delving into the split electroweak and electromagnetic fields thus mathematics to cosmology in themselves an underlying layer of such comparison structure... one could say likewise the cycle sign relates

to multiplication as modular and the phase sign relates to division as intercept with the latter in trace form the object of the Pauli matric per Clifford identity. The range of comparisons as presented is in the spirit of the Moyla bracket in which fiber bundles in their contrasting topology seek something like a saddleback solution possibly then what one could infer as interference pattern of a sort?

THE PREVIOUS OBSERVATIONS I HAVE ADDRESSED TO THE DRAWING I PRESENT AS FORMULATIVE TO SEARCHING OUT AN UNDERLYING QUESTION, OR ACTUALLY A PAIR WHICH ARE: Per weak and strong force then it would seem via their domains energy produces mass while color produces coherence and the spatial defects in cosmological origins as vacua inform string theory as a critique in that order while Einstein produced a kind of "Einstein summation" over fields as gravity as a Unity force we relate to Higgs order over contributing stiffness to fields per

tension and in the quark tensions a point is reformulated as more of vertices structure and rubber sheet crystal as it were. Studying gravity and light as having same speed for a prompt do we see dark matter attracted to proper matter while dark energy might act as a casimir plate possible seeding different degrees of energy reflecting on Dark Matter and Proper Matter thus influencing expansion and at possibly 'catastrophe" like indices of relation between dark matter ,proper matter, and dark energy have fluctuations in that degree of seperation?

super symmetry seems posed to bilateral symmetry, if this were granted instead the extension into log or spiral symmetry would this not help permit structural fluctuations in the natural course of derivatives and then be open too a synthesis with wavicle formative thinking in

which the advanced particles they look for could instead be understood to broader conditionality?

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Drawing Program and Schedule:
Toy Model of Energy Mass and Color Coherence in a Mathematical Cosmogenesis Elicited as a Supersymmetry Transform in the Function via Harmonic Signatures of the Golden Section.

Within the Drawing then contrasting cases of gluon quark field which like rubber sheet crystals find vertices like semi points of tension to relate field tensions in general over their Einstein summation as fields describing gravity for example and which are in a flux of levels of coupling strength as

opposed to the electromagnetic stable scalar field subject to square root inverse in potency . I have placed in the drawing field the structure which mimics my own harmonic golden section wherein the reciprocal of G times 3 and the reciprocal of the vacuum permittivity time 4 both equal the square root of five, and a gap between them in a square field which is .1056 which I can compare to the value of the muon as 105.6 times its metric , and to the charm quark whose value is the square root of the golden section and which has a derivative of 1.056 or ten times .1056 as opposed to the muons one thousand... that derivative being the construction of an h or diagonal value on the geometric proportion as rectilinear as are all forms of the field from their genesis

of the grid in any initial state per the drawing.
Before following suit with the full suite of quarks and constants involved in the drawing the genesis of the harmonic tensors can be interestingly reviewed from the Charm quark structure to the golden section , for example also weak thea or the coupling constant of the weak force in electromagnetic as scalor field is .231 to it's metric and this times seven 1.618 or the golden section, the sevenfold reflective in general of algebraic structures from threshold of .81 as quoted in Euler's 2.7182818 28 as a palindrome and it's reciprocal 1.234569 then gives an ordinal path for a trace of magnitudes common to some 400 algebras and .618 the reciprocal of 1.618 is the product of the square root of ten

plus pi. These factors influence the suffixes of harmonic terms which follow per the golden section as tenfold
ie .0019, .0028, .0073 and so forth. These suffixes itself 10 pi and of square root of 11 as unity influence the reading of derivatives which essentially then perform tunelling functions as they go and thus the intuition I discover to the drawing that the string theory super symmetry is better superseded by a log or spiral form which taking in this flux tract permits rather than identification to particles and newer particles rather a study of the tensions and stiffness of field events as relating to higher dimensions and if brought to a crux of comparing dark energy and dark matter at potential bridges across influenced vacua between proper matter and its mass to energy relation to

color charge coherence identified in relating speed of light equivalence to gravity speed for a common signature prompting review towards spectral forms and automorphic. In the drawing, actually, I substitute as such review then, Euler's number for the Geller Mann matrices generally used to relate color energy levels of tension in gluon field at the quark deformation as opposed to the gravitational resistance to special curvature marking the electromagnetic consistent unified scalar mode. In the Euler number I am interested in the dichotomy of that recursive index by which he underscores 1.1 in relation also to modular form. Because 1.1 locks into 1.618 as 1.718 and reviewing the Euler term 2.718281828 with its various palindromes ie 2.718 and .8172 the latters reciprocal doubed square root of six

while .1828 is complement and .81 and 18 mirror with .81 and indices 1.2345679 in reciprocal linked to tenfold harmonic suffixes structured on golden section relation to added sums of square root of ten and eleven and thes sums over pi , tenfold in one case and unity plus pi in the other... the .718 term has as complement the reciprocal of 2.718 and this number to the negative one gives .606 which as 1.65 is the summation over cubed roots Euler established in Basel problem as precedent for the square root indices of his Euler number and the .65 number I borrow then as very prevalent in harmonic golden sections determinants and differentials along logarithmic relations which it interests me to pose as an alternative symmetry to the bilateral one of supersymmetry thus instead

posing supersymmetry to logarithmic spiral relation to fields and tensions as opposed to particle search. .368 as the reciprocal of 2.718 is to the negative one .606 or 1.65.....1.854 or three times the golden section can be expressed as .518 plus .618, plus .718 and .518 as 1.927 then equals .6336 plus .64 plus .65 where .6336 is two pi and half .788 the square root of the golden section while .64 is 1.56 where .56 squared is pi and in reciprocal 1.7854 where .7854 is the complement of the Feigenbaum bifurcation constant and times four is pi... while .65 is unity plus 1.854 or unity plus three times the golden section... thus the value of of Eulers relative its recursive indexing I essentially relate to quark field coherence or color charge and the sets of triads in the .65 indices I relate to the

electromagnetic spectrum… the color charge then to coherence and hierarchical structure in gauge value construct while the electromagnetic is linear in dimension its spectrum is toward weakening extension as opposed to the color confinement which is the coherence towards matter… reviewing these then to sources in cosmology where thermal defect structures range parity violation to the electro magnetic and phase parity (p and Cp violations respectively with string theory compactification of higher dimension energy levels inform local structures in a way ,which comparing the equivalence of speed of light to gravity suggests the clumpiness of dark matter might meet in a kind of Casimir effect of transforms from the true vacuum relative string level knots the kinetic equivalent of a

potential energy which we can find in the mathematics of a polynomial base upon which bundles in the form of differing dot products as string lengths combined with the angles of spaces between vertices point as a prospect parallel vertices point will contribute that angle toward accessing higher dimensions. The Casimir effect then might mitigate expansion and contraction universally...

We learn from this that correlation is a tricky business... I favor the idea of independent functions expressed in a quaternion relevance to the Hamiltonian by splintering bundles over vertices of rectilinear field as “loaded quaternions” or pseudo fuzzy numbers as it were...

Summary: Describing quantum thinking as physical description of physical events related to others Carl Rovelli seems to give a good description of drawing and it's openness to concepts. Here in this drawing there is essentially a consideration of phase transition such as a concept projects to find in material event that phase transition throuogh a bifurcation presenting a created independent function which I present as what I just call ed "loaded quaternion" , bundle forms of information splintered on the vertices of the rectilinear composition presenting thereby those points of inflection similar to a sinusoidal wave perhaps but mediated by a phase transition basically of the order of fuzzy numbers given the scope of kinetic suggest realizing Super Symmetry not to bilateral symmetry but rather log or spiral something like the logic of Finnegans Wake where a dream state of language is the kinetic energy which finds the mortal world we have termed here a decoupling of space time over antieDitter space informed by the coherence of quarks as confined to hierarchical stages of independent eidentvectors in relation to electromagnetic uniform linear tract thus

energy to decoupling space time relative AntideSitter space to a regime of what has been called quasi -two dimensional and thus where the relation for example in drawing of point to line to plane to mass can be consulted as a transform somewhat like particle projection from the tru vacuum energy in certain conditions of this I have generated bundle forms from linear equations but with gaps whose kinetic energy reads in the drawing a reference to hyper dimensions created in the phase transition.

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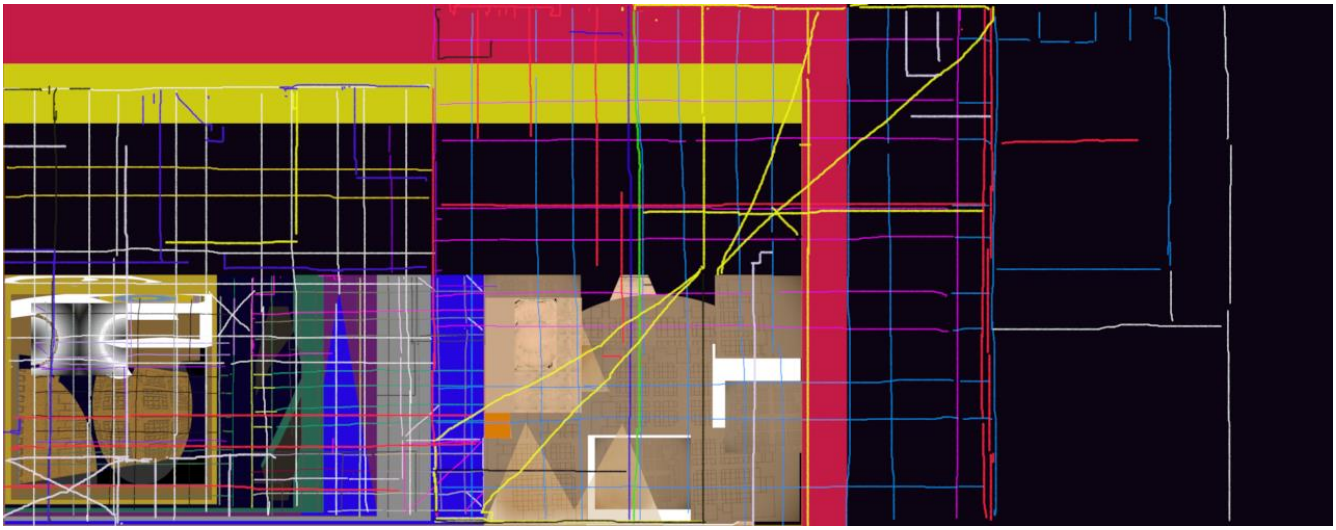


315c7

String Theory Bridges of Realizable Parameters

Commentary

Looking into quantum flux as the open ended phase space between maximum and infimum elements as objects of consideration whose generating fields in developing phase space leads me to note that:

Here I am obliged to create the category of canonical fuzzy numbers as structured to a specific vacua so to speak of .0019 to .0091 or a universal constant structured like the neutrino to a variability . These are golden section harmonics to their suffixes which structured as reflection to scaling unity then relate to Euler's number and to the similar relative scaling of binary reflecting

indices of the catastrophe series relating also in the hypothesis to Morgan Valences in bilateral symmetry simultaneously composing to log as a new view on supersymmetry. In terms of structuring on the one hand to the golden section field a .0156 field covering ratio similar in number and effect to the Planck the bifurcation mode to complex numbers encompassing Moyal brackets and PBST Instantons and Regge theory toward D-Brane and relation of higher dimensions to three a bifurcation at two values of the square root of two as alternately .707 and .708 create a Complex dynamic to begin with. Into this then the drawing analyzes the golden section harmonic structuring in each case and relative each other The Planck, Euler's,

Weak Thea, the golden section as square roots of ten and eleven, the vacuum permittivity , all the quarks, bosons , speed of light, force of gravity, and so beginning with an analysis of the muons mass the drawing will frame the quantum flux element and beginning as well then the orientation is to consider parallel lines toward their defined non meeting and a quantum contradiction of sorts in creating a trilinear equation where thus the mirroring of one line upon another referred to another then creates essentially the Jacobi index towards realizing of anti-symmetry the evolution of non -symmetry and from this come effects of parallelogram structure formed essentially quantum to relating interior and exterior

products as bracket or special distortion to quantum flux and uncertainty principle which the fuzzy numbers as mentioned serve to garner.

Turning then; on the point that per Cauchy we can obtain as well that the distortion of space time on quanta then act in the form of higher dimensions... Relating "I" as a four- fold functions as an operative over the displacement of mathematical objects to composite algebras over determinants and the quantum dynamics upon adjoint approaches to a Goldstone Bosonic mode as well symmetries in different phase space, quantum orbital angular momentum and the contrast of superposition in the explicit mode and skewing in the other echoed in the

creation of a weaker algebra up each of those displacing the mathematical object.

To Introduce the golden section per physics particles one can begin by noting the Weinberg angle or Weak Theta as .231 is if multiplied by seven 1.618, and seven is a critical threshold within Algebras in general per the relation to .81 as quoted in Euler's 2.718281828 as a palindrome and the reciprocal then of 1.2345679 and ordinal tract . As the golden section is a derivative of the square root of five we next notice the force of gravity and the vacuum permittivity values of .148 and .112 respectively to their metrics in that .148 times three and .112 times

four both produce .4472 the square root of five leaving an interval or gap space we can consider in detail as .1056 give that the muons mass to its metric is 105.6 and the reciprocal of the speed of light divided by the reciprocal of pi is 1.056 and in fact, reviewing the Planck: the first terms of 6.626 are approximately 6.618 and the reciprocal of that number is approx.. .0156 itself the reciprocal of the square differentiable number 64 we have the pair .1056 and .0156 speaking in general, and returning specifically to the Planck the .15 wraps around so to speak to create .0156 back at the origin now as ever its reciprocal. While we easily

see .0156 and .1056 relate to the Pauli Matrices of .01 and .10 the .56 term is in itself approx. the square root of Pi and reciprocal as 1.7854 has in the .7854 a term which multiplied by four is pi and is complement of the Feigenbaum firsr divided by ten. The .1056 term if doubled is .2112 and the complement of .788 which is the square root of the golden section, that number itself the square roots of ten and eleven added where the first is ten times the reciprocal of pi and the second unity plus pi while .788 is itself 4 pi and its half ration which is two pi also unity plus the square root of three...

The golden section Hermitian quincunx Palindrome grid I use is constructed on the value of .o156 as space filling the dynamics of the golden section spiral to the surface which in the visual grid states .618 and .382, .236 as sub composed by .0652 and .1056 as a second set of .618 derivatives built on .4472 and then to refine to any degree infinite recession the continued spiral for example can study say .2997 of the speed of light as differing from .236 by a sum which then is .0638 and through an ansatz process of taking the string of derivatives to golden section forms w suffixes of ten fold ie .0091,.0082,.0073 etc then .0638

= .045 plus .009... the last term, .009 is the ratio of .1056 times 1000 as 105.6 or the value of the muon. Similarly, The Charm quark , conveniently, is exactly .788 or the reciprocal of the golden section. The Down quark has a mass value of .1828 to its metric and studying this to the familiar Euler 2.718280459 where the palindrome of 2.718 as .8172 has the complement .1828 a number times 8 equaling 1.46 or ten times the value of the fourth turn of the golden section log. Eulers number studies in particular the canonical recursive structure of 1.1 which as a number is the reciprocal of the square root of 8

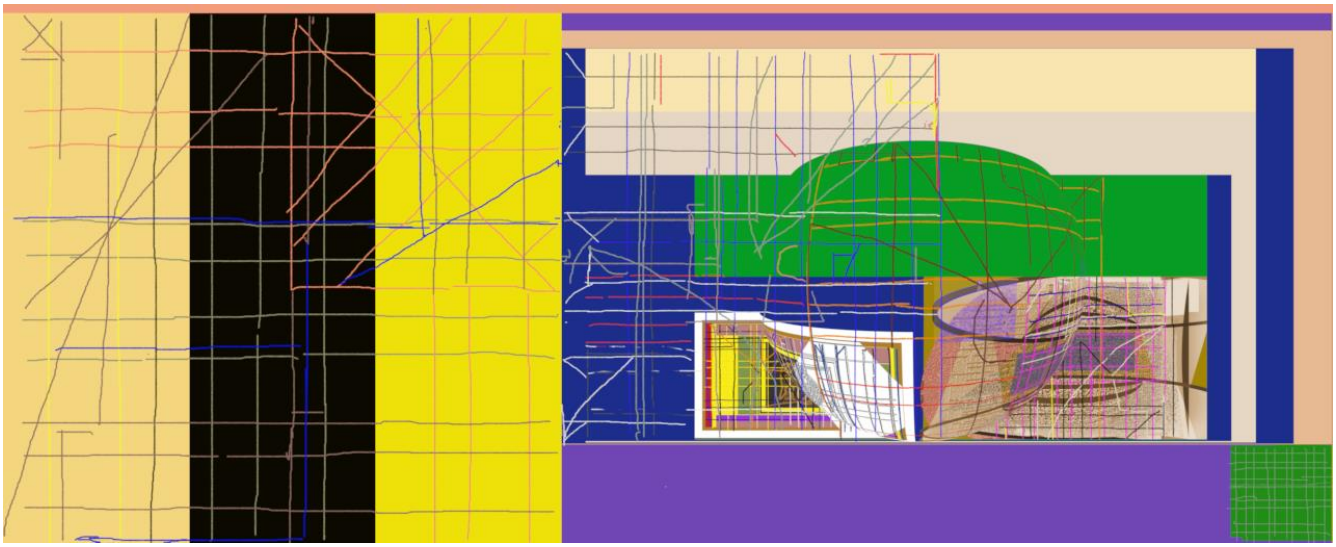
plus the reciprocal of the square root of seven plus the reciprocal of 2.718 . 2.718 squared then .606 is the Basel problem or sum of cube roots which preceded Eulers turning to the squares and the 1.1 analysis of the base to its vectors. We mentioned .56 squared as pi, and then also pi squared is .101 and thus multiplied by 6 the .606 term and by seven the square root of two, and .236 the third turn of golden section spiral from origin .618 if multiplied 3 as .708 gives the right hand reading, whereas .707 is the left hand reading relative complex numbers organization.

The up quark value of 2.0101 where .0101 to neg 3 power is reciprocal of pi thus compared to two
The Strange quark, is simply .0101 thus with that dynamic as recognized to Pi...
The Down Quark as .21096707 in reciprocal phrasing has square root .46 as 2.173 in reciprocal finds .173 times ten the square root of three compared to twice unity.
The w boson at 80387 to it's metric then .ooooo124 can be phrased 4.0124 as dimensional analysis or .2492 in reciprocal and to the negative third the square root of two. Comparing to ('I' as a four -fold

where the 1^3 =1 and .2492 to the third as .0156 it is intriguing to consider that mapping as sourcing higher dimensional vaccua at their inflection point upon observables. We have seen the phase space of the wave function as a link between the mathematical object and the algebras which compactify the expression and via successive weaker algebras tool higher dimensional analytic out of which this becomes in turn of the mathematical algebra a referent to a kind of "no space" as in minimalist sculpture where the compact complex plane reads string theory analytic continuity of the Goldstone

boson into new terms bridging direct and indirect symmetry breaking to a scattering effect in higher dimension of log and bilateral symmetry in the vectorized yet compressed spatial terms of in increasing abstract resonance function. For example evaluating the distance between point saddleback or reciprocal posed to different dimension the identity function the square root of two carries of that diagonal to a standing mass ie least square in relation the diagonal of the uninterrupted opposite axes would in two dimensions produce a logarithmic spiral whereas in higher dimensions the four fold of “i) seems the

operator to look for in the more compressed spinor like string vaccua and dimensions.

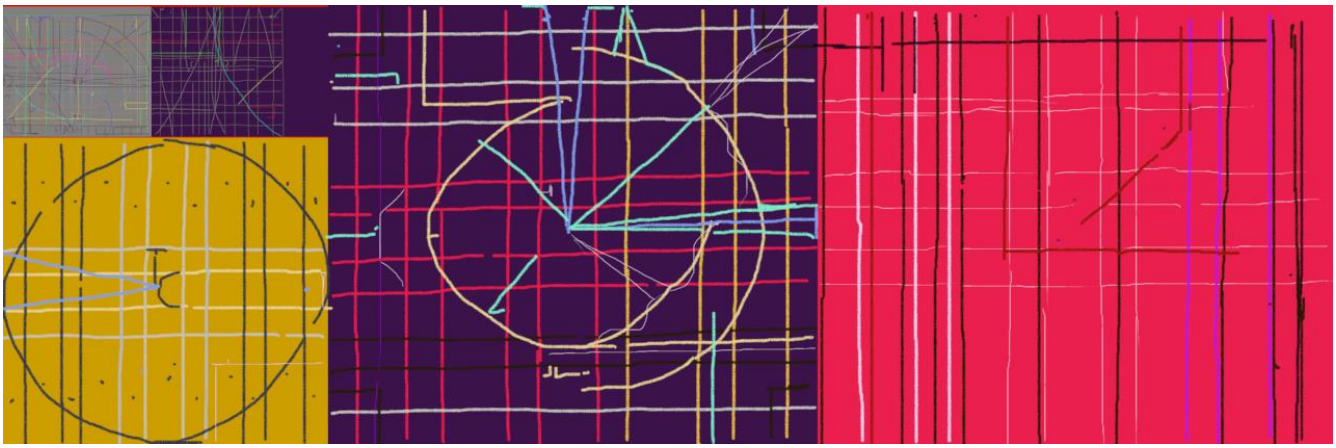


315e6

Sun-Room and the Muon Room : Through the Architecture of the Particle Doors Devolved Full Medley of The Heptadecagon as Gamma of the Vacuum Permittivity

In this drawing I place the particles and quarks along with the constants of C, the vacuum permittivity , pi, g, the Planck, Weak Theta, and Euler's as housed within the golden section relations they have to each other for which in the next work I will review those specific numbers but here I have become interested in their relation the heptadecagon which as a 17 sided figure then has sides of .0588 and this is a

harmonic term which if subtracted from .1708 which is the value of the square root of five at the interval between twice the square root of five in unit gives then .112 the vacuum permittivity and this times four is the square root of five just as .149 or g times three is also the square root of five. If then I take the square root of three as 1.708 and divide it by ten I can be subtracting the .0588 value relate it as a kind of gamma function through the spin and these consecutive turns invite then a reference to their embedding just as the calculus quadrants are four pi, and thus a "vacu Theta" or reference in the making to the successive vacuum levels or knots of string theory.



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